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24R/23A-2025 (BOT2103SE)

2025

BOTANY
(SEC)

Paper : BOT2103SE

(Mushroom Culture Technology)

Full Marks : 35

Time : 1½ hours

**The figures in the margin indicate
full marks for the questions.**

1. Answer the following questions : 1×4=4

- (a) What is spawn ?
- (b) Name one edible mushroom available in Assam.
- (c) What is Compost ?
- (d) Name two artificial culture media for mushroom cultivation.

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Contd.

2. Answer the following questions : 2×3=6

- (a) What vitamins are abundant in mushrooms ?
- (b) Write the nutritional value of oyster mushroom.
- (c) Write the different types of sterilization methods used in mushroom cultivation.

3. Answer the following questions : (any three)

5×3=15

- (a) Write briefly the medicinal benefits of mushrooms.
- (b) Write briefly the low-cost technology for mushroom cultivation.
- (c) Explain the preparation of PDA medium.
- (d) Write the methods for preserving mushrooms.
- (e) Write about the botanical description of *Agaricus bisporus*.

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4. Answer the following questions : (any one)

10×1=10

- (a) What are the various steps for mushroom cultivation ? Write briefly the importance of mushroom storage.
- (b) Write briefly the Paddy straw mushroom cultivation. What are the advantages of cultivation of Paddy straw mushroom ?

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